Rec'd P67/110 12 JAN 2005

receiving O	10 /	52	1	1	23	

REQUEST

International Application No.	
International Filing Date	
Name of receiving Office and "PCT International Application"	

	International Filing Da	te			
The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.	Name of receiving Office and "PCT International Application"				
	Applicant's or agent's (if desired) (12 charact	file reference ers maximum) 8016-616Cumm			
Box No. I TITLE OF INVENTION					
CONNECTING ROD AI	PPARATUS AND M	ETHOD			
Box No. II APPLICANT This person	is also inventor				
Name and address: (Family name followed by given name; for a legal enti The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence	ne address indicated in this	Telephone No.			
CUMMINS INC. 500 West Jackson Street		Facsimile No.			
Columbus, Indiana 47202		Teleprinter No.			
⊎S					
		Applicant's registration No. with the Office			
State (that is, country) of nationality: US	State (that is, country) US	of residence:			
This person is applicant for the purposes of: all designated like United States all designated the United States		the United States of America only the States indicated in the Supplemental Box			
Box No. III FURTHER APPLICANT(S) AND/OR (FURTI	HER) INVENTOR(S)				
Name and address: (Family name followed by given name; for a legal enti- The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence GENTER, David P. 3428 Woodland Place Columbus, Indiana 47203 US	ne address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office			
State (that is, country) of nationality: US	State (that is, country) US	of residence:			
This person is applicant all designated for the purposes of:	States except ates of America	the United States the States indicated in the Supplemental Box			
Further applicants and/or (further) inventors are indicated o	n a continuation sheet.				
Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE					
The person identified below is hereby/has been appointed to act o of the applicant(s) before the competent International Authorities	as:	agent common representative			
Name and address: (Family name followed by given name; for a legal entity The address must include postal code and name of co John V. DANILUCK	Telephone No. 317-634-3456				
WOODARD, EMHARDT, MORIARTY, MCNETT & HI Bank One Center/Tower, Suite 3700	Facsimile No. 317-637-7561				
111 Monument Circle Indianapolis, Indiana 46204 US	Teleprinter No.				
SEE CONTINUATION TO BOX NO. IV ON SHEET N	Agent's registration No. with the Office 40,581				
Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.					

DE Germany	Во	x No	. V 1	DESIGNATIO	ON OF STATE	s	М	lark the applicable check-boxes below	v; at i	leasi	one must be marked.
AP ARIPO Patent: GH Ghana, CM Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZM Zambia, ZW Zimbabwe, and any othe State which is a Contracting State of the Harare Protocol and of the PCT (f) other kind of protection or treatment desired specify on dotted line) EA Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT EP European Patent: AT Austria, BE Belgium, BG Bulgaria, CH & LI Switzerland and Liechtenstein, CY Cyprus, CZ Czech Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece O Romania PH Unugary, Et Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, FT Porneta, ES Sweden, SK Slovakia, TR Turkey, and any other State which is a Contracting State of the European Patent Convention & of the PCT O OA PI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon GA Gabon, GN Guinea, GQ Equatorial Guinea, GW Guinea-Bissau, ML Maii, MR Mauritania, NE Niger, SN Senegal TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (f) other kins of protection or treatment desired, specify on dotted line) National Patent (f) other kind of protection or treatment desired, specify on dotted line): A & United Arab Emirates EM GM Gambia A Lolladia A Lolladia B HU Hungary B HR Croatia B HU Hungary B HR Croatia B HU Hungary B HR Croatia C M GR Gambia B HR Croatia C M GR Gambia B HR Pazil C M Canada	The	e foll	owing	designations	are hereby made	und	er Ri	ule 4.9(a):			
AP ARIPO Patent: GH Ghana, CM Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZM Zambia, ZW Zimbabwe, and any othe State which is a Contracting State of the Harare Protocol and of the PCT (f) other kind of protection or treatment desired specify on dotted line) EA Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT EP European Patent: AT Austria, BE Belgium, BG Bulgaria, CH & LI Switzerland and Liechtenstein, CY Cyprus, CZ Czech Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece O Romania PH Unugary, Et Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, FT Porneta, ES Sweden, SK Slovakia, TR Turkey, and any other State which is a Contracting State of the European Patent Convention & of the PCT O OA PI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon GA Gabon, GN Guinea, GQ Equatorial Guinea, GW Guinea-Bissau, ML Maii, MR Mauritania, NE Niger, SN Senegal TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (f) other kins of protection or treatment desired, specify on dotted line) National Patent (f) other kind of protection or treatment desired, specify on dotted line): A & United Arab Emirates EM GM Gambia A Lolladia A Lolladia B HU Hungary B HR Croatia B HU Hungary B HR Croatia B HU Hungary B HR Croatia C M GR Gambia B HR Croatia C M GR Gambia B HR Pazil C M Canada	Re	gion	al Pa	tent							
RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT		_	ARI SLS State	IPO Patent: Sierra Leone, S e which is a C	SZ Swaziland, Ta Contracting State	ZUn of t	ited he F	Republic of Tanzania, UG Uganda, Iarare Protocol and of the PCT (if o	ZM ther	Zan kina	ibia, ZW Zimbabwe, and any other of protection or treatment desired,
Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece O Romania HU Hungary, IE Ireland, TT Italy, UL Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, SI Slovenia SK Slovakia, TR Turkey, and any other State which is a Contracting State of the European Patent Convention & of the PC Go. A OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon GA Gabon, GN Guinea, GQ Equatorial Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kinc of protection or treatment desired, specify on dotted line). National Patent (if other kind of protection or treatment desired, specify on dotted line). National Patent (if other kind of protection or treatment desired, specify on dotted line). National Patent (if other kind of protection or treatment desired, specify on dotted line). National Patent (if other kind of protection or treatment desired, specify on dotted line). National Patent (if other kind of protection or treatment desired, specify on dotted line). National Patent (if other kind of protection or treatment desired, specify on dotted line). National Patent (if other kind of protection or treatment desired, specify on dotted line). National Patent (if other kind of protection or treatment desired, specify on dotted line). National Patent (if other kind of protection or treatment desired, specify on dotted line). National Patent (if other kind of protection or treatment desired, specify on dotted line). National Patent (if other kind of protection or treatment desired, specify on dotted line). National Patent (if other kind of protection or treatment desired, specify on dotted line). National Patent (if other kind of protection or treatment desired, specify on dotted line). National Patent (if other kind of ond treatment desired, specify on dotted line). Na	×	EA	RU	Russian Feder	ation, TJ Tajikis						
O Romania HU Hungary, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, SI Slovenia SK Slovakia, TR Turkey, and any other State which is a Contracting State of the European Patent Convention & of the PC State of the European Patent Convention & of the PC State of OAPI and a Contracting State of the European Patent Convention & of the PC State of OAPI and a Contracting State of the PCT (If other kine of Protection or treatment desired, specify on dotted line): National Patent (if other kind of protection or treatment desired, specify on dotted line): At United Arab Emirates State of Magambia State of OAPI and a Contracting State of the PCT (if other kine of protection or treatment desired, specify on dotted line): At United Arab Emirates State of Magambia State of OAPI and a Contracting State of the PCT (if other kine of protection or treatment desired, specify on dotted line): At United Arab Emirates State of Magambia State of OAPI and a Contracting State of the PCT (if other kine of protection or treatment desired, specify on dotted line): At United Arab Emirates State of OAPI and a Contracting State of the PCT (if other kine of protection or treatment desired, specify on dotted line): At United Arab Emirates State of OAPI and a Contracting State of the PCT (if other kine of protection or treatment desired, specify on dotted line): At United Arab Emirates State of OAPI and a Contracting State of the PCT (if other kine of protection or treatment desired, specify on dotted line): At United Arab Emirates State of OAPI and a Contracting State of the PCT (if other kine of protection or treatment desired, specify on dotted line): At United Arab Emirates State of Magambia State of OAPI and a Contracting State of the PCT (if other kine of protection or treatment desired, specify on dotted line): At United Arab Emirates State of Magambia State of OAPI and State of O	132	EP									
GA Gabon, GN Guinea, GQ Equatorial Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kine of protection or treatment desired, specify on dotted line). National Patent (if other kind of protection or treatment desired, specify on dotted line): AE United Arab Emirates GM GM Gambia MN Condition of Moman MN GM AG Antigua and Barbuda MN GM Hungary MN Philtippines. AG Antigua and Barbuda MN Hungary MN Philtippines. AN AG Antigua and Barbuda MN Hungary MN Philtippines. AN Armenia MN II I I I I I I I I I I I I I I I I I	O Ro	man	ia HU	Hungary, IE	Ireland, IT Italy,	, LU	Lux	cembourg, MC Monaco, NL Netherl	ands,	PT	Portugal, SE Sweden, SI Slovenia
March Marc	(32)	OA	GA TD (Gabon, GN G Chad, TG Tog	uinea, GQ Equa o, and any other	toria Stat	al Gu e wh	iinea, GW Guinea-Bissau, ML Malich is a member State of OAPI and	li, M a Coi	R M	Iauritania, NE Niger, SN Senegal, cting State of the PCT (if other kind
March Marc	Na	tion	al Pat	tent <i>(if other</i>	kind of protection	n or i	reati	ment desired, specify on dotted line):			
Mac									X	ΝZ	New Zealand
MA Armenia AT Austria AT Austria AU Australia AU RO Romania AU RU Russian Federation AU RU Busian Federation AU SC Seychelles AU SU Sudan AU SU SC Seychelles AU SU SU Sudan AU SU SE Sweden Of Korea AU SE SE Sweden Of Korea AU SE SU Singapore AU SU Si Singapore AU SU Si Singapore AU SU Si Signapore AU SU TI Tajikistan AU TI Tajikistan AU TI Tajikistan AU TI Tajikistan AU TI Turkmenistan AU TI Turkmenistan AU TI Trinidad and Tobago AU CU Cuba AU Cu Cub	X	AG	Antig	ua and Barbud	la	X	HR	Croatia			
MA Armenia AT Austria AT Austria AU Australia AU RO Romania AU RU Russian Federation AU RU Busian Federation AU SC Seychelles AU SU Sudan AU SU SC Seychelles AU SU SU Sudan AU SU SE Sweden Of Korea AU SE SE Sweden Of Korea AU SE SU Singapore AU SU Si Singapore AU SU Si Singapore AU SU Si Signapore AU SU TI Tajikistan AU TI Tajikistan AU TI Tajikistan AU TI Tajikistan AU TI Turkmenistan AU TI Turkmenistan AU TI Trinidad and Tobago AU CU Cuba AU Cu Cub	X	AL	Alban	ia		X	HU	Hungary	X	PH	Philippines
AT Austria	K	AM	Armei	nia			ID	Indonesia	X	PL	Poland
	X	ΑT	Austri	ia		100	IL.	Israel	X	- — РТ	Portugal
MAZ Azerbaijan MIS Iceland MIRU Russian Federation MBA Bosnia and Herzegovina MIJP Japan MBB Barbados MIKE Kenya MISD Sudan MBG Bulgaria MIKE Kenya MISD Sudan MBR Brazil MIKP Democratic People's Republic of Korea MISD See Sweden MBY Belarus Of Korea MISD Sc Sweden MBZ Belize MISD KR Republic of Korea MISD Sc Singapore MISD Sc Singapore MISD Sc Singapore MISD Sc Singapore MISD Sc Sc Singapore MISD Sc Sc Scokeden MISD Sc Sc Singapore MISD Sc Sc Scokeden MISD Sc Sc Sc Singapore MISD Sc Sc Sc Singapore MISD Sc Sc Sc Singapore MISD Sc Sc Sc Singapore MISD Sc Sc Sc Sc Sc Sc Singapore MISD Sc Sc Sc Sc Scokede											
BA Bosnia and Herzegovina BI BB Barbados KE Kenya KE Kenya KE Kenya KI SC Seychelles KI SD Sudan KI SD Sudan KI SD Sudan KI SD Sudan KI SC Seychelles KI SD Sudan KI SD Sudan KI SC Seychelles KI SD Sudan KI SD Sudan KI SE Sweden of Korea KI SC Singapore KI SL Sierra Leone KI TJ Tajikistan KI TJ Tajikistan KI TJ Tajikistan KI TV Turkmenistan KI SC Singapore KI SC Seychelles KI SC Seychelles KI SC Seychelles KI SD Sudan KI SD Sudan KI SC Seychelles KI SD Sudan KI SD Sudan KI SC Seychelles KI SD Sudan KI SD Sud	_										
☑ BB Barbados ☑ KE Kenya ☑ SC Seychelles ☑ BG Bulgaria ☑ KG Kyrgyzstan ☑ SD Sudan ☑ BR Brazil ☑ KP Democratic People's Republic of Korea ☑ SE Sweden ☑ BY Belarus of Korea ☑ SG Singapore ☑ BZ Belize ☑ KR Republic of Korea ☑ SK Slovakia ☑ CA Canada ☑ KZ Kazakhstan ☑ SL Sierra Leone ☑ CH & LI Switzerland and Liechtenstein ☑ LC Saint Lucia ☑ TJ Tajikistan ☑ CN China ☑ LK Sri Lanka ☑ TM Turkmenistan ☑ CO Colombia ☑ LK Liberia ☑ TN Tunisia ☑ CR Costa Rica ☑ LS Lesotho ☑ TR Turkey ☑ CU Cuba ☑ LT Lithuania ☑ TT Trinidad and Tobago ☑ CZ Czech Republic ☑ LU Luxembourg ☑ DE Germany ☑ LV Latvia ☑ TZ United Republic of Tanzania ☑ DK Denmark ☑ MA Morocco ☑ UA Ukraine ☑ DM Dominica ☑ MD Republic of Moldova ☑ UG Uganda ☑ DZ Algeria ☑ US United States of America ☑ DZ Algeria ☑ US Uzbekistan											
BG Bulgaria KG Kyrgyzstan KB Brazil KP Democratic People's Republic KS Sweden KS Singapore KR Republic of Korea KR Slovakia KC Canada KZ Kazakhstan KZ Kazakhstan KS Sierra Leone KT Tajikistan KT Turkmenistan KT Turkmenistan KC Co Colombia KR Republic of Korea KR Republic of Lucia KR Republic of Korea KR Republic of Lucia KR Republic of Lucia KR Republic of Lucia KR Republic of Korea KR Republic of Lucia KR Republic of Lucia KR Republic of Lucia KR Republic of Korea KR Republic of Lucia KR Republic of Korea KR Republic of Lucia KR Republic of Korea KR Republic of Korea KR Republic of Notakia KR Republic of Republic of Moldova KR Lucia KR					· • • • • • • • • • • • • • • • • • • •						
BR Brazil ■ KP Democratic People's Republic of Korea ■ SE Sweden BZ Belize ■ KR Republic of Korea ■ SK Slovakia M CA Canada ■ KZ Kazakhstan ■ SL Sierra Leone M CH & LI Switzerland and Liechtenstein ■ LC Saint Lucia ■ TJ Tajikistan M CO Colombia ■ LK Sri Lanka ■ TM Turkmenistan M CR Costa Rica ■ LR Liberia ■ TN Tunisia M CU Cuba ■ LT Lithuania ■ TT Trinidad and Tobago M CZ Czech Republic ■ LU Luxembourg M DE Germany ■ LV Latvia ■ TZ United Republic of Tanzania M DK Denmark ■ MA Morocco ■ UA Ukraine M DM Dominica M DR Pepublic of Moldova ■ UG Uganda M DZ Algeria ■ US United States of America M CE Ecuador M MK The former Yugoslav Republic of M CE Ecuador M MK The former Yugoslav Republic of						627	KC.	Vyenyzeten	1321	en	Sudan
☑ BY Belarus of Korea ☒ SG Singapore ☒ BZ Belize ☒ KR Republic of Korea ☒ SK Slovakia ☒ CA Canada ☒ KZ Kazakhstan ☒ SL Sierra Leone ☒ CH & LI Switzerland and Liechtenstein ☒ LC Saint Lucia ☒ TJ Tajikistan ☒ CN China ☒ LK Sri Lanka ☒ TM Turkmenistan ☒ CO Colombia ☒ LR Liberia ☒ TN Tunisia ☒ CR Costa Rica ☒ LS Lesotho ☒ TR Turkey ☒ CU Cuba ☒ LT Lithuania ☒ TT Trinidad and Tobago ☒ CZ Czech Republic ☒ LU Luxembourg ☒ DE Germany ☒ LV Latvia ☒ TZ United Republic of Tanzania ☒ DK Denmark ☒ MA Morocco ☒ UA Ukraine ☒ DM Dominica ☒ MD Republic of Moldova ☒ UG Uganda ☒ DZ Algeria ☒ US United States of America ☒ EC Ecuador ☒ MG Madagascar ☒ EE Estonia ☒ MK The former Yugoslav Republic of	1	DO	Duiga D-c-:1	IId	• • • • • • • • • • • • • • • • • • • •	1621	KG KD	Demonstra Boosle's Boosle's	197	SD SD	Sudan
■ BZ Belize ■ KR Republic of Korea ■ SK Slovakia ■ CA Canada ■ KZ Kazakhstan ■ SL Sierra Leone ■ CH & LI Switzerland and Liechtenstein ■ LC Saint Lucia ■ TJ Tajikistan ■ CN China ■ LK Sri Lanka ■ TM Turkmenistan ■ CO Colombia ■ LR Liberia ■ TN Tunisia ■ CR Costa Rica ■ LS Lesotho ■ TR Turkey ■ CU Cuba ■ LT Lithuania ■ TT Trinidad and Tobago ■ CZ Czech Republic ■ LU Luxembourg ■ DE Germany ■ LV Latvia ■ TZ United Republic of Tanzania ■ DK Denmark ■ MA Morocco ■ UA Ukraine ■ DM Dominica ■ MD Republic of Moldova ■ UG Uganda ■ DZ Algeria ■ US United States of America ■ EC Ecuador ■ MG Madagascar ■ EE Estonia ■ MK The former Yugoslav Republic of											
★ CA Canada ★ KZ Kazakhstan ★ SL Sierra Leone ★ CH & LI Switzerland and Liechtenstein ★ LC Saint Lucia ★ TJ Tajikistan ★ CN China ★ LK Sri Lanka ★ TM Turkmenistan ★ CO Colombia ★ LR Liberia ★ TN Tunisia ★ CR Costa Rica ★ LS Lesotho ★ TR Turkey ★ CU Cuba ★ LT Lithuania ★ TT Trinidad and Tobago ★ CZ Czech Republic ★ LU Luxembourg ★ DE Germany ★ LV Latvia ★ TZ United Republic of Tanzania ★ DK Denmark ★ MA Morocco ★ UA Ukraine ★ DM Dominica ★ MD Republic of Moldova ★ UG Uganda ★ DZ Algeria ★ US United States of America ★ EC Ecuador ★ MG Madagascar ★ EE Estonia ★ MK The former Yugoslav Republic of											
CH & LI Switzerland and Liechtenstein CN China CN China CO Colombia CR Costa Rica CR Costa Rica CZ Czech Republic CZ Czech Republic CZ Czech Republic CD Colombia CZ LU Luxembourg CZ Czech Republic CZ Czech Repu					• • • • • • • • • • • • • • • • • • • •						
CN China LK Sri Lanka LK Sri Lanka LK CO Colombia LR Liberia TN Tunisia TN Turkey TR Uster Standard Tobago Tr Uster Standard Tobago Tr Uster Standard Tobago Tr Turkey Tr Uster Standard Tobago Tr Turkey Tr Uster Standard Tobago Tr Turkey Tr Ust											
☑ CO Colombia ☑ LR Liberia ☑ TN Tunisia ☑ CR Costa Rica ☑ LS Lesotho ☑ TR Turkey ☑ CU Cuba ☑ LT Lithuania ☑ TT Trinidad and Tobago ☑ CZ Czech Republic ☑ LU Luxembourg ☑ DE Germany ☑ LV Latvia ☑ TZ United Republic of Tanzania ☑ DK Denmark ☑ MA Morocco ☑ UA Ukraine ☑ DM Dominica ☑ MD Republic of Moldova ☑ UG Uganda ☑ DZ Algeria ☑ US United States of America ☑ EC Ecuador ☑ MG Madagascar ☑ EE Estonia ☑ MK The former Yugoslav Republic of TO Turkey The											
Image: Comparisor of the comparison of the comparisor of the comparison of the comparisor											
X CU Cuba I LT Lithuania X TT Trinidad and Tobago X CZ Czech Republic X LU Luxembourg X DE Germany X LV Latvia X TZ United Republic of Tanzania X DK Denmark X MA Morocco X UA Ukraine Y DM Dominica Y MD Republic of Moldova Y UG Uganda Y DZ Algeria X US United States of America Y EC Ecuador Y MG Madagascar Y EE Estonia Y MK The former Yugoslav Republic of TO UZ Uzbekistan											
CZ Czech Republic LU Luxembourg LV Latvia LV United Republic of Tanzania LV Ukraine LV UG Uganda LV UG Uganda LV US United States of America LV US United States of America LV EC Ecuador LV MG Madagascar LV EE Estonia MK The former Yugoslav Republic of											
DE Germany									XI.	TT	Trinidad and Tobago
IN DK Denmark IN MA Morocco IN UA Ukraine IN DM Dominica IN MD Republic of Moldova IN UG Uganda IN DZ Algeria IN US United States of America IN EC Ecuador IN MG Madagascar IN EE Estonia IN MK The former Yugoslav Republic of US UZ Uzbekistan									_		
MD Republic of Moldova ■ UG Uganda DZ Algeria ■ US United States of America EC Ecuador ■ MG Madagascar EE Estonia ■ MK The former Yugoslav Republic of UZ Uzbekistan									XI.	TZ	United Republic of Tanzania
IX DZ Algeria IX US United States of America IX EC Ecuador IX MG Madagascar IX EE Estonia IX MK The former Yugoslav Republic of UZ Uzbekistan											
EC Ecuador MG Madagascar UZ MK The former Yugoslav Republic of UZ Uzbekistan Uzbek	X	DM	Domir	nica		X	MD	Republic of Moldova	K	UG	Uganda
EE Estonia 🔀 MKThe former Yugoslav Republic of 🗵 UZ Uzbekistan										US	United States of America
	X	EC	Ecuad	or		X	MG	Madagascar			• • • • • • • • • • • • • • • • • • • •
	X)	EE	Estoni	ia		X	MK	The former Yugoslav Republic of	X	UΖ	Uzbekistan
									X ·	VC	Saint Vincent and the Grenadines
🗷 FI Finland	X	FI	Finlan	ı d		X	MN	Mongolia	X ·	VN	Viet Nam
☑ GB United Kingdom ☑ MWMalawi	X	GB	United	1 Kingdom		X	ΜW	'Malawi	X	YU	Yugoslavia
☑ GD Grenada ☑ MX Mexico	_			-							
GE Georgia	X	GE	Georg	ia							
☑ GH Ghana	X	GH	Ghana				NO	Norway			
Check-boxes below reserved for designating States which have become party to the PCT after issuance of this sheet:								-			
NI Nicaragua SY Syrian Arab Republic	127	NI	Nic	araqua	o. acaignanng	Statt Statt	SY	Syrian Arab Republic		.Jou	mee or and sheet.
PG Papua New Guinea	<u></u> N	PC	Par	oua New Gi	Jinea		≍! .		1	• • •	• • • • • • • • • • • • • • • • • • • •
Proportionary Designation Statements In addition to the designation and show the relies to be under the Dule 4.0(b) all											

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

Supplemental Box

If the Supplemental Box is not used, this sheet should not be included in the request.

- If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which a special continuation box is provided, the space is insufficient to furnish all the information: in such case, write "Continuation of Box No...." (indicate the number of the Box) and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in particular:
- (i) if more than two persons are to be indicated as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;
- (ii) if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. III and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;
- (iii) if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- (v) if, in Box No. V, the name of any State (or OAPI) is accompanied by the indication "patent of addition," or "certificate of addition," or if, in Box No. V, the name of the United States of America is accompanied by an indication "continuation" or "continuation-in-part": in such case, write "Continuation of Box No. V" and the name of each State involved (or OAPI), and after the name of each such State (or OAPI), the number of the parent title or parent application and the date of grant of the parent title or filing of the parent application;
- (vi) if, in Box No. VI, there are more than five earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.
- 2. If, with regard to the precautionary designation statement contained in Box No. V, the applicant wishes to exclude any State(s) from the scope of that statement: in such case, write "Designation(s) excluded from precautionary designation statement" and indicate the name or two-letter code of each State so excluded.

Continuation to Box No. IV Agent

EMHARDT, C. David; NAUGHTON, Joseph A., Jr.; MORIARTY, John V.; McNETT, John C.; HENRY, Thomas Q.; DURLACHER, James M.; REEVES, Charles R.; WAGNER, Vincent O.; ZLATOS, Steve; BEREVESKOS, Spiro; BROWNING, Clifford W.; FRISK, R. Randall; LUEDERS, Daniel J.; GANDY, Kenneth A.; THOMAS, Timothy N.; JONES, Kurt N.; ALLIE, John H.; BANTA, Holiday W.; COLE, Troy J.; PAYNTER, L. Scott; MEYER, Charles J.; SCHANTZ, Matthew R.; COY, Gregory B.; HIDAY, Lisa A.; DANILUCK, John V.; BROWN, Christopher A.; USHER, Arthur J. IV; COLLIER, Douglas A.; SCHEPERS, Brad A.; STEVENS, Scott J.; MYERS, James B. Jr.; BRADSHAW, John M.; SCHMAL, Charles P.; NOVAK, David E.; SOWERS, Edward E.; CANTRELL, Quentin G.; ROBERTS, John L.; EMANUELE, John J.; GOSNELL, Denise M.; HOUDEK, Jason A.; WHERRY, Michael S.; BARTOL, Michael C., all of Woodard, Emhardt, Moriarty, McNett & Henry LLP, Bank One Center/Tower, Suite 3700, 111 Monument Circle, Indianapolis, Indiana 46204 United States of America

Sheet	Nο	- 4

Age f.: 8016-616Cumm

Box No. VI PRIORITY CLAIM							
The priority of the following earlier application(s) is hereby claimed:							
Filing date	Number	Where earlier application	is:				
of earlier application (day/month/year)	of earlier application	national application: country	regional application:* regional Office	international application: receiving Office			
item (1) (26.07.2002) 26 July 2002	60/398,707	us	-				
item (2)							
item (3)							
item (4)							
item (5)							
Further priority claims a	are indicated in the Suppleme	ental Box.	<u> </u>				
The receiving Office is reque if the earlier application was f above as:	sted to prepare and transmit filed with the Office which for	to the International Bureau the purposes of this interna	a certified copy of the e	arlier application(s) (only ecciving Office) identified			
all items item (1)	item (3) item	(4)	other, see Supplemental Box			
* Where the earlier application Industrial Property or one Me	on is an ARIPO application, in ember of the World Trade Or	ndicate at least one country rganization for which that e	party to the Paris Conve earlier application was fil	ntion for the Protection of ed (Rule 4.10(b)(ii)):			
Box No. VII INTERNATIONAL SEARCHING AUTHORITY							
Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):							
ISA / .US			······································				
Request to use results of ear International Searching Author		hat search (if an earlier se	arch has been carried ou	t by or requested from the			
Date (day/month/year)	Numb	per Count	try (or regional Office)				
Box No. VIII DECLARATIONS							
The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable Number of declarations declarations							
Box No. VIII (i) Declaration as to the identity of the inventor :							
Box No. VIII (ii) Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent							
Box No. VIII (iii) Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application							
Box No. VIII (iv) Declaration of inventorship (only for the purposes of the designation of the United States of America):							
Box No. VIII (v)	Declaration as to non-preju	idicial disclosures or excep	ntions to lack of novelty	:			

Sheet	No		5	

Aguardi: 8016-616Cumm

Box No. IX CHECK LIST; LANGUAGE (OF FILING					
This international application contains: (a) the following number of sheets in paper form: request (including declaration sheets) : 5 description (excluding sequence listing part) : 23 claims : 5 abstract : 1 drawings : 38 Sub-total number of sheets : 72 sequence listing part of description (actual number of sheets if filed in paper form, whether or not also filed in computer readable form; see (b) below) : N/A Total number of sheets : 72	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item): 1. fee calculation sheet 2. original separate power of attorney 3. original general power of attorney 4. copy of general power of attorney; reference number, if any: 5. statement explaining lack of signature 6. priority document(s) identified in Box No. VI as item(s): 7. translation of international application into (language): 8. separate indications concerning deposited microorganism or other biological material 9. sequence listing in computer readable form (indicate also type and number of carriers (diskette, CD-ROM, CD-R or other))	Number of items				
(b) sequence listing part of description filed in computer readable form (i) only (under Section 801(a)(i)) (ii) in addition to being filed in paper form (under Section 801(a)(ii)) Type and number of carriers (diskette, CD-ROM, CD-R or other) on which the sequence listing part is contained (additional copies to be indicated under item 9(ii), in right column): N/A	 (i) ☐ copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application) (ii) ☐ (only where check-box (b)(i) or (b)(ii) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter (iii) ☐ together with relevant statement as to the identity of the copy or copies with the sequence listing part mentioned in left column 10. ▼ other (specify): Transmittal Letter: Postcard 	2				
Figure of the drawings which should accompany the abstract:	Language of filing of the international application: English					
	Agent: (John V. DANILUCK)	ng the request).				
1. Date of actual receipt of the purported international application: 3. Corrected date of actual receipt due to later be timely received papers or drawings complete the purported international application: 4. Date of timely receipt of the required corrections under PCT Article 11(2): 5. International Searching Authority (if two or more are competent): ISA /	2. Dra put ng 6. Transmittal of search copy delayed until search fee is paid	wings: ceived: ot received:				
For International Bureau use only						
Date of receipt of the record copy by the International Bureau:						